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## RAW SEQUENCE LISTING

DATE: 06/14/2002

PATENT APPLICATION: US/09/724,379A

TIME: 15:18:00

Input Set : A:\7682-055.txt

Output Set: N:\CRF3\06142002\I724379A.raw

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4 <110> APPLICANT: Jin, Hong
5      Tang, Roderick
6      Li, Shengqiang
7      Bryant, Martin
9 <120> TITLE OF INVENTION: Recombinant RSV Expression Systems and Vaccines
11 <130> FILE REFERENCE: 7682-055-999
13 <140> CURRENT APPLICATION NUMBER: 09/724,379A
14 <141> CURRENT FILING DATE: 2000-11-28
16 <150> PRIOR APPLICATION NUMBER: PCT/US98/20230
17 <151> PRIOR FILING DATE: 1998-09-28
19 <160> NUMBER OF SEQ ID NOS: 51
21 <170> SOFTWARE: FastSEQ for Windows Version 4.0
23 <210> SEQ ID NO: 1
24 <211> LENGTH: 46
25 <212> TYPE: DNA
26 <213> ORGANISM: Artificial Sequence
28 <220> FEATURE:
29 <223> OTHER INFORMATION: designed overlapping leader Oligonucleotide sequence to act
as a linker
30      for the insertion of RSV/CAT gene into plasmid pUC19
32 <400> SEQUENCE: 1
33      cgacgcatat tacgcgaaaa aatgcgtaca acaaacttgc ataaac
35 <210> SEQ ID NO: 2
36 <211> LENGTH: 50
37 <212> TYPE: DNA
38 <213> ORGANISM: Artificial Sequence
40 <220> FEATURE:
41 <223> OTHER INFORMATION: designed overlapping leader Oligonucleotide sequence to act
as a linker
42      for the insertion of RSV/CAT gene into plasmid pUC19
44 <400> SEQUENCE: 2
45      caaaaaaatg gggcaaataa gaatttgata agtaccactt aaatttaact
47 <210> SEQ ID NO: 3
48 <211> LENGTH: 24
49 <212> TYPE: DNA
50 <213> ORGANISM: Artificial Sequence
52 <220> FEATURE:
53 <223> OTHER INFORMATION: designed overlapping leader Oligonucleotide sequence to act
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54      for the insertion of RSV/CAT gene into plasmid pUC19
56 <400> SEQUENCE: 3
57      ctagagttaa atttaagtgg tact
59 <210> SEQ ID NO: 4
60 <211> LENGTH: 50

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61 <212> TYPE: DNA

62 <213> ORGANISM: Artificial Sequence

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64 <220> FEATURE:
65 <223> OTHER INFORMATION: designed overlapping leader Oligonucleotide sequence to act
as a linker
66     for the insertion of RSV/CAT gene into plasmid pUC19
68 <400> SEQUENCE: 4
69 tatcaaattc ttatttgccc catttttttg gtttatgcaa gtttggtgta                    50
71 <210> SEQ ID NO: 5
72 <211> LENGTH: 30
73 <212> TYPE: DNA
74 <213> ORGANISM: Artificial Sequence
76 <220> FEATURE:
77 <223> OTHER INFORMATION: designed overlapping leader Oligonucleotide sequence to act
as a linker
78     for the insertion of RSV/CAT gene into plasmid pUC19
80 <400> SEQUENCE: 5
81 cgcatttttt cgcgtaatat gcgtcggtac                                    30
83 <210> SEQ ID NO: 6
84 <211> LENGTH: 50
85 <212> TYPE: DNA
86 <213> ORGANISM: Artificial Sequence
88 <220> FEATURE:
89 <223> OTHER INFORMATION: designed overlapping leader Oligonucleotide sequence to act
as a linker
90     for the insertion of RSV/CAT gene into plasmid pUC19
92 <400> SEQUENCE: 6
93 gtattcaatt atagttatta aaaattaaaa atcatataat tttttaaata                    50
95 <210> SEQ ID NO: 7
96 <211> LENGTH: 50
97 <212> TYPE: DNA
98 <213> ORGANISM: Artificial Sequence
100 <220> FEATURE:
101 <223> OTHER INFORMATION: designed overlapping trailer Oligonucleotide sequence to act
as a linker
102     for the insertion of RSV/CAT gene into plasmid pUC19
104 <400> SEQUENCE: 7
105 acttttagtg aactaatcct aaagttatca ttttaatcct ggaggaataa                    50
107 <210> SEQ ID NO: 8
108 <211> LENGTH: 50
109 <212> TYPE: DNA
110 <213> ORGANISM: Artificial Sequence
112 <220> FEATURE:
113 <223> OTHER INFORMATION: designed overlapping trailer Oligonucleotide sequence to act
as a linker
114     for the insertion of RSV/CAT gene into plasmid pUC19
116 <400> SEQUENCE: 8
117 atttaaacc taatctaatt ggtttatatg tgtattaact aaattacgag                    50
119 <210> SEQ ID NO: 9
120 <211> LENGTH: 46
121 <212> TYPE: DNA
122 <213> ORGANISM: Artificial Sequence
124 <220> FEATURE:
125 <223> OTHER INFORMATION: designed overlapping trailer Oligonucleotide sequence to act
as a linker

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126 for the insertion of RSV/CAT gene into plasmid pUC19  
128 <400> SEQUENCE: 9

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129 atattagttt ttgacacttt ttttctcggt atagtga gtc gtatta 46
131 <210> SEQ ID NO: 10
132 <211> LENGTH: 25
133 <212> TYPE: DNA
134 <213> ORGANISM: Artificial Sequence
136 <220> FEATURE:
137 <223> OTHER INFORMATION: designed overlapping trailer Oligonucleotide sequence to act
as a linker
138 for the insertion of RSV/CAT gene into plasmid pUC19
140 <400> SEQUENCE: 10
141 agcttaatac gactcactat aacga 25
143 <210> SEQ ID NO: 11
144 <211> LENGTH: 50
145 <212> TYPE: DNA
146 <213> ORGANISM: Artificial Sequence
148 <220> FEATURE:
149 <223> OTHER INFORMATION: designed overlapping trailer Oligonucleotide sequence to act
as a linker
150 for the insertion of RSV/CAT gene into plasmid pUC19
152 <400> SEQUENCE: 11
153 gaaaaaaagt gtcaaaaact aatatctcgt aatttagtta atacacatat 50
155 <210> SEQ ID NO: 12
156 <211> LENGTH: 50
157 <212> TYPE: DNA
158 <213> ORGANISM: Artificial Sequence
160 <220> FEATURE:
161 <223> OTHER INFORMATION: designed overlapping trailer Oligonucleotide sequence to act
as a linker
162 for the insertion of RSV/CAT gene into plasmid pUC19
164 <400> SEQUENCE: 12
165 aaaccaatta gattagggtt taaatttatt cctccaagat taaaatgata 50
167 <210> SEQ ID NO: 13
168 <211> LENGTH: 50
169 <212> TYPE: DNA
170 <213> ORGANISM: Artificial Sequence
172 <220> FEATURE:
173 <223> OTHER INFORMATION: designed overlapping trailer Oligonucleotide sequence to act
as a linker
174 for the insertion of RSV/CAT gene into plasmid pUC19
176 <400> SEQUENCE: 13
177 actttaggat tagttcacta aaagttat ttt aaaaaattat atgattttta 50
179 <210> SEQ ID NO: 14
180 <211> LENGTH: 29
181 <212> TYPE: DNA
182 <213> ORGANISM: Artificial Sequence
184 <220> FEATURE:
185 <223> OTHER INFORMATION: designed overlapping trailer Oligonucleotide sequence to act
as a linker
186 for the insertion of RSV/CAT gene into plasmid pUC19
188 <400> SEQUENCE: 14
189 atttttaata actataattg aatactgca 29
191 <210> SEQ ID NO: 15
192 <211> LENGTH: 17

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193 <212> TYPE: DNA

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Input Set : A:\7682-055.txt

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194 <213> ORGANISM: Respiratory Syncytial Virus (RSV)	
196 <400> SEQUENCE: 15	
197 gtttaacacg tggtag	17
199 <210> SEQ ID NO: 16	
200 <211> LENGTH: 17	
201 <212> TYPE: DNA	
202 <213> ORGANISM: Respiratory Syncytial Virus (RSV)	
204 <400> SEQUENCE: 16	
205 acatataggc atgcacc	17
207 <210> SEQ ID NO: 17	
208 <211> LENGTH: 17	
209 <212> TYPE: DNA	
210 <213> ORGANISM: Respiratory Syncytial Virus (RSV)	
212 <400> SEQUENCE: 17	
213 gcaaaatgga tccatt	17
215 <210> SEQ ID NO: 18	
216 <211> LENGTH: 18	
217 <212> TYPE: DNA	
218 <213> ORGANISM: Respiratory Syncytial Virus (RSV)	
220 <400> SEQUENCE: 18	
221 tggttggtat accagtgt	18
223 <210> SEQ ID NO: 19	
224 <211> LENGTH: 18	
225 <212> TYPE: DNA	
226 <213> ORGANISM: Respiratory Syncytial Virus (RSV)	
228 <400> SEQUENCE: 19	
229 taccaagagc tcgagtca	18
231 <210> SEQ ID NO: 20	
232 <211> LENGTH: 21	
233 <212> TYPE: DNA	
234 <213> ORGANISM: Respiratory Syncytial Virus (RSV)	
236 <400> SEQUENCE: 20	
237 ggtggccggc atggtcccag c	21
239 <210> SEQ ID NO: 21	
240 <211> LENGTH: 20	
241 <212> TYPE: DNA	
242 <213> ORGANISM: Respiratory Syncytial Virus (RSV)	
244 <400> SEQUENCE: 21	
245 tttaccatat gcgctaattgt	20
247 <210> SEQ ID NO: 22	
248 <211> LENGTH: 19	
249 <212> TYPE: DNA	
250 <213> ORGANISM: Respiratory Syncytial Virus (RSV)	
252 <400> SEQUENCE: 22	
253 acgcgaaaaa atgcgtaca	19
255 <210> SEQ ID NO: 23	
256 <211> LENGTH: 18	
257 <212> TYPE: DNA	
258 <213> ORGANISM: Respiratory Syncytial Virus (RSV)	

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260 <400> SEQUENCE: 23
261 acgagaaaaa agtggcaa
263 <210> SEQ ID NO: 24
264 <211> LENGTH: 17
265 <212> TYPE: DNA
266 <213> ORGANISM: Respiratory Syncytial Virus (RSV)
268 <400> SEQUENCE: 24
269 ctcaccacgt gttaaac
271 <210> SEQ ID NO: 25
272 <211> LENGTH: 17
273 <212> TYPE: DNA
274 <213> ORGANISM: Respiratory Syncytial Virus (RSV)
276 <400> SEQUENCE: 25
277 ggtgcatgcc tatatgt
279 <210> SEQ ID NO: 26
280 <211> LENGTH: 19
281 <212> TYPE: DNA
282 <213> ORGANISM: Respiratory Syncytial Virus (RSV)
284 <400> SEQUENCE: 26
285 aatgggatcc atttgtcc
287 <210> SEQ ID NO: 27
288 <211> LENGTH: 19
289 <212> TYPE: DNA
290 <213> ORGANISM: Respiratory Syncytial Virus (RSV)
292 <400> SEQUENCE: 27
293 aacactggtg taccaacca
295 <210> SEQ ID NO: 28
296 <211> LENGTH: 20
297 <212> TYPE: DNA
298 <213> ORGANISM: Respiratory Syncytial Virus (RSV)
301 <400> SEQUENCE: 28
302 acattagcgc atatggtaaa
304 <210> SEQ ID NO: 29
305 <211> LENGTH: 2165
306 <212> TYPE: PRT
307 <213> ORGANISM: Virus
309 <400> SEQUENCE: 29
310 Met Asp Pro Ile Ile Asn Gly Asn Ser Ala Asn Val Tyr Leu Thr Asp
311 1 5 10 15
312 Ser Tyr Leu Lys Gly Val Ile Ser Phe Ser Glu Cys Asn Ala Leu Gly
313 20 25 30
314 Ser Tyr Ile Phe Asn Gly Pro Tyr Leu Lys Asn Asp Tyr Thr Asn Leu
315 35 40 45
316 Ile Ser Arg Gln Asn Pro Leu Ile Glu His Met Asn Leu Lys Lys Leu
317 50 55 60
318 Asn Ile Thr Gln Ser Leu Ile Ser Lys Tyr His Lys Gly Glu Ile Lys
319 65 70 75 80
320 Leu Glu Glu Pro Thr Tyr Phe Gln Ser Leu Leu Met Thr Tyr Lys Ser
321 85 90 95

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**VERIFICATION SUMMARY**

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